NATIONAL LIBRARY of MEDICINE

NEWS

ISSN 0027-965X

Published for institutions and individuals interested in health sciences communications.

Vol. XXXV, No. 3 | Bethesda, Maryland 20209 | March 1980

Hospital Librarians Discuss MEDLARS III

Ten medical librarians, most working in hospital libraries, met at the National Library of Medicine on February 25 to discuss plans for MEDLARS III. An earlier article in the *NLM News* (August 1979) described in general terms what NLM hopes to accomplish with the new system and noted that NLM will be seeking advice at several stages from the library and information community in planning the system.

The meeting was chaired by **Dr. Joseph Leiter**, NLM Associate Director for Library Operations and Chairman of the MEDLARS III Task Force. During the morning session, members of the MEDLARS III Task Force made brief presentations on various aspects of the system. The afternoon session consisted of open discussion, three subgroup meetings to prepare draft recommendations, and a review of the recommendations by the reassembled librarians and NLM Task Force members.

Highlights of Presentations

Lillian Kozuma noted that the basic purpose of MEDLARS III is to introduce a much higher degree of automation into NLM's internal processing and external services and to make these benefits available to the health-science library community at large. The system will be "open-ended," that is, in a state of continuous evolution. This will allow the incremental implementation of services as they are developed, and also permit NLM to incorporate new technology without the need for a major systems redesign. In general terms, MEDLARS III will improve the processes for acquiring the literature, for creating, maintaining, and distributing bibliographic records, for retrieving bibliographic information, and for providing document delivery services. Several of these areas already take advantage of some degree of computerization, ranging from the highly automated bibliographic retrieval (MEDLINE) to the partially automated acquisitions and cataloging processes. Document delivery, on the other hand, is at present primarily a manual system.

Dr. Richard Dick described the interfaces with local systems that would be inherent in MEDLARS III. These will range from local terminal access that would allow interrogation of data bases on the MEDLARS III computers, to local computer systems that would be connected to MEDLARS III to assist, for example, in document delivery routing and entering holdings and cataloging data. There will be great flexibility in the communications linkages possible under MEDLARS III—local libraries would have access to data from such information sources as the Washington Library Network, Library of Congress, OCLC, etc.

Grace McCarn described briefly the current bibliographic retrieval services, the workload being handled by the system, the present hardware and software associated with MEDLARS/MEDLINE, and how the retrieval services might be impacted by MEDLARS III. Although NLM's online services have been highly successful, we are now facing problems of rising workloads and limited computer capacity. By taking advantage of new technology, MEDLARS III will enable NLM to expand access to the online data bases, offer new services, and provide economical access to data. Cited specifically among the MEDLARS III proposals were improved retrieval languages, links to document delivery, expanded output capabilities, and at a future date retrieval of such information as tables of contents or full text.

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NLM in the Literature

The following citations were retrieved from the February/March MEDLINE file. They point to recent articles in which the National Library of Medicine (or its products and services) is discussed.

Your attention is also called to the following publication which was jointly sponsored by the Medical Library Association and the University of Illinois Graduate School of Library Science, with partial support from NLM: *Proceedings of the Allerton Invitational Conference on Education for Health Sciences Librarianship*. The 165-page *Proceedings* covers such areas as training at the master's level, specialization, internship, and post-master's programs, as well as continuing education and certification. Copies are available for $5 (prepaid) from the Medical Library Association, 919 North Michigan Avenue, Suite 3208, Chicago, IL 60611.

Cluxton RJ Jr, hunter RH, Reed RC: Comparison of five information services as sources for bioavailability data. Am J Hosp Pharm 1979 Sep;36(9):1215–8

The usefulness of five drug information services in obtaining bioavailability data from journal literature is compared. The deHaen Drugs in Use system, the Iowa Drug Information Service (IDIS), Index Medicus, MEDLINE and International Pharmaceutical Abstracts (IPA), each for a 10-year period, were searched for citations on bioavailability studies on the oral dosage forms of acetaminophen, lithium carbonate, phenytoin, nitrofurantoin and theophylline. Both quantity of references indexed and quality of data were considered. No significant difference was found in the mean value scores for the five services. Index Medicus provided 79 citations but required 7.7 hours of search time. MEDLINE yielded 62 citations but required only 1.1 hours to search. IPA, IDIS and deHaen had lower numbers of citations and intermediate search times. IPA, deHaen and Index Medicus all cited unique articles, with 11%, 7% and 3%, respectively. Index Medicus had the lowest percent of articles duplicated by two or more services (49%). The most comprehensive serch with the fewest duplicate citations would be obtained from searching deHaen's Drugs in Use, IPA and Index Medicus.

Krumland RB, Will EE, Gorry GA: Scientific publications of a medical school faculty. J Med Educ 1979 Nov; 54(11):876–84

Lorent JP: Outline literature retrieval in poison control. Vet Hum Toxicol 1979;21 Suppl:89–90

As for the systems to choose, we would advocate to start with only one, in order to learn perfectly a first retrieval language. TOXLINE, at the time being, is probably the best choice. EXCERPTA MEDICA, on the other hand, if it can be made more up-to-date, could become a very important competitor. As for the most recent literature, SCISEARCH is likely to remain unbeatable.

Morgan L: Overlooked resources: the place of the library in visual science research. Am J Optom Physiol Opt 1979 Mar;56(3):163–74

Effective research should be based on familiarity with what has already been accomplished in the field. The best place to look for this information is a library, since even the most widely read professional may miss much that is relevant. Libraries not only provide access to their own holdings but assist the investigator by means of computerized literature searches and the use of indexes, abstracts, and other forms of printed reference material. Efficient use of library facilities can aid research and facilitate preparation of grant proposals.

Neghme A: Centenario del 'Index Medicus'. Rev Med Chil 1979 Apr;107(4):352–6 (Eng. Abstr.) **(Spa)**

Roper FW: Library school education for medical librarianship. Bull Med Libr Assoc 1979 Oct;67(4):359–64

Russell TE: Medline: an efficient, inexpensive way to search implant literature. J Oral Implantol 1978;8(1):83–97

Sparks SM, Kudrick LW: An audiovisual information retrieval system: Avline. JNE 1979 Sep;18(7):47–55

Sparks SM: AVLINE for nursing education and research. Nurs Outlook 1979 Nov;27(11):733–7

Toxicology Series Started

A series of bibliographies and literature compilations on subjects relevant to toxicology will be published by the Federation of American Societies for Experimental Biology (FASEB) under a special arrangement with the National Library of Medicine. The first of these has just been announced: *Health and Environmental Effects of Acid Rain*,* a collection of abstracted literature, 1966-79, (202 pages).

The bibliographies are prepared by the literature analysts at NLM's Toxicology Information Response Center at the Oak Ridge National Laboratory in Tennessee and published by FASEB in Bethesda. A number of the bibliographies (including the first one) will be co-sponsored by the Information Response and Chemical Crises Project. This is a Federal interagency effort to provide rapid response search services in a crisis involving chemicals and to prepare bibliographies on topics of current concern.

*Price $15. Order by title and number (NLM/TIRC-80/1) from FASEB, Special Publications Office, 9650 Rockville Pike, Bethesda, MD 20014.

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Betsy Humphreys described briefly the kinds of holdings data that will be included in MEDLARS III and the products and services these computerized data would make possible. A national holdings data base, comprising information on serials, monographs, and audiovisuals, would be assembled from many sources—NLM's own input, general networks such as OCLC, union list files, and local and commercial sources. The Regional Medical Libraries would be responsible for coordinating the input of local and regional holdings data. Possible products from such a data base would include an online searchable file, hardcopy output and publications, computer output microfilm, and various union list products tailored to regional and local specifications.

Duane Arenales discussed the implications of MEDLARS III for document delivery. Current plans call for the system to allow a direct linkage between online bibliographic search and retrieval and online input of requests for documents (interlibrary loan). From a single terminal it would be possible to retrieve references and to have the request for documents matched against collected holdings data and routed to the appropriate holding library. There could also be automated linkages to other, not necessarily biomedical, interlibrary loan utilities. Such a system would be able to collect a variety of usage statistics and prepare management reports.

Discussion

During the afternoon session there was a wide-ranging discussion of both "nuts and bolts" items related to specific planned capabilities of MEDLARS III and of general issues about how the new system would impact the hospital librarian. Illustrative of the former were discussions about how libraries could produce their own catalog cards, the desirability of local holding/locator tools, and the need for longer hours of online service. Among the broader issues discussed were the impact of MEDLARS III on other information utilities (such as BRS, RLIN, WLN, OCLC), the nature of the automated routing of document delivery requests through the local and regional levels, and the issues related to direct access by the "end user."

These issues only touch the surface of the variety of subjects covered and the depth of the discussion. The point was made several times that MEDLARS III is being planned to automate *NLM's* functions to provide better access to its services, and although some of these capabilities will be useful to other libraries, these spin-off applications will be dependent on the resources available to implement them. The hospital librarians urged NLM to emphasize the "realistic" levels of services that hospital libraries could expect and to avoid "overselling" and future disappointments.

Lillian Kozuma, a member of the MEDLARS III Task Force, addresses the hospital librarians who met at the Library on February 25 to discuss MEDLARS III.

Recommendations

Following the open discussion, the participants divided into three subgroups (on the subjects of policy issues, bibliographic processing, and document delivery) to formulate recommendations to NLM on its plans for MEDLARS III. These recommendations are now being put in final form and will be published in a future issue of the *News*.

Participants: Robert Braude, University of Nebraska Medical Center, Library of Medicine; **Lois Ann Colaianni,** Health Sciences Information Center, Cedars-Sinai Medical Center (Los Angeles, CA); **Eloise Foster,** American Hospital Association (Chicago, IL); **Sara Hill,** Medical Library, St. Lukes Hospital (Kansas City, MO); **Ruth Holst,** Columbia Hospital (Milwaukee, WI), Medical Library; **Dr. Gertrude Lamb,** Health Science Library, Hartford Hospital; **Becky Lyon-Hartmann,** Veterans Administration, Central Office Library; **Judith Messerle,** Medical Information Center, St. Joseph Hospital (Alton, IL); **Irwin Pizer,** Medical Center Library, University of Illinois; **Alice Sheridan,** Zylman Memorial Library, Fairfax Hospital (Fairfax, VA).

Publications Notes

National Library of Medicine Current Catalog, 1979 Annual Cumulation. This publication is a bibliographic listing, by subject and name/title, of monographs and serials cataloged by the Library in 1979. This annual cumulation supersedes the 1979 quarterly issues, and includes a substantial number of older records which were recataloged or revised in 1979 but were not included in the quarterlies. (The annual is *not* furnished automatically to subscribers of the quarterlies, but must be ordered separately.) Because of the large size of this year's cumulation (nearly 2500 pages), it has been printed in two volumes. Orders should be sent to the Superintendent of Documents (U.S. Government Printing Office, Washington, DC 20402). Price (per set): $34 ($42.50 foreign). Stock Number 017-052-00211-2. (Publication date: early April.)

National Library of Medicine Audiovisuals Catalog, 1979 Annual Cumulation. This casebound cumulation is a listing of audiovisual materials cataloged by NLM in 1979 and includes citations to selected titles reviewed by the Association of American Medical Colleges during the year. (Note: all subscribers to the *NLM AV Catalog*, 1979 quarterly issues, receive this annual cumulation automatically in lieu of a fourth quarterly.) The annual *NLM AV Catalog*, containing subject, name/title, and procurement source sections, is derived from AVLINE—the Library's computerized data base of bibliographic information on AV items used in health sciences education at the college level and for the continuing education of practitioners. Order from the Superindendent of Documents. Price: $11 ($13.75 foreign). Stock Number 017-052-72078-3.

Note: The 1979 annual does not supersede previous AV catalogs which are still available from the Superintendent of Documents. These are: (1) *NLM Audiovisuals Catalog, 1978 Annual Cumulation* ($11; $13.75 foreign; S/N 017-052-72074-1); (2) *NLM Audiovisuals Catalog, 1977 Annual Cumulation* ($10; $12.50 foreign; S/N 017-00192-2); and (3) *NLM AVLINE Catalog, 1975-1976* ($5; $6.25 foreign; S/N 017-052-00183-3).

NLM Audiovisuals Catalog, 1980. To place a subscription for the 1980 issues (3 quarterlies, plus annual cumulation), send your order to the Superintendent of Documents (U.S.G.P.O., Washington, DC 20402). Price $18 ($22.50 foreign). For more information and a sample quarterly issue, send a self-addressed label to: Office of Inquiries (AV), National Library of Medicine, Bethesda, MD 20209.

NIH Consensus Development Conferences

Inquiries about two upcoming NIH Consensus Development Conferences may be addressed to the Office for Medical Applications of Research, Room 216, Building 1, National Institutes of Health, Bethesda, Maryland 20205:

- Apr. 10-11 *Fibrinolytic Therapy for Thrombosis* (sponsored by the National Heart, Lung, and Blood Institute)
- May 19-21: *Long-term Management of Children with Febrile Seizures* (sponsored by the National Institute of Neurological and Communicative Disorders and Stroke)

The following summaries of recent NIH Consensus Development Conferences have been mailed to *News* readers within the past month:

- *Amantadine: Does It Have a Role in the Prevention and Treatment of Influenza?* (sponsored by the National Institute of Allergy and Infectious Diseases)
- *The Use of Microprocessor-based "Intelligent" Machines in Patient Care* (sponsored by the Division of Research Services)
- *Removal of Third Molars* (sponsored by the National Institute of Dental Research)

Note: For the past year, Consensus Development Conference summaries have been mailed to *News* readers. The Office of Research is interested in knowing how useful thse summaries are for you and the health professionals you serve. A request for your comments will be included in the next mailing of the summaries.

Dr. Cooper Named Acting Director

National Medical Audiovisual Center Now in Bethesda

This month the Library's National Medical Audiovisual Center (NMAC) begins a new phase in its history as it shifts its base of operations from Atlanta, Georgia, to Bethesda, Maryland. (A list of the various NMAC branches and their staff is provided below.)

The Center began operation in Atlanta in 1942 as part of the Malaria Control Program, which was later expanded to become the Communicable Disease Center (now the Center for Disease Control). NMAC became a component of the National Library of Medicine in 1967.

With the retirement on March 1 of NMAC Director **Charles N. Farmer, William G. Cooper**, Ph.D., the NLM Associate Director for Planning, has agreed to serve as interim Acting Director of the Center.

Charles Farmer (left), retiring NMAC Director, discusses the recent NMAC move with Dr. William G. Cooper.

Mr. Farmer was cited by the NLM Board of Regents in January for his dedicated service to NMAC and the Library. The Board noted that he had assumed the directorship at a difficult time of transition for the Center, and that his enthusiasm and leadership had helped the Center maintain high employee morale and productivity.

In commenting on the Center's move to Bethesda, Dr. Cooper, the new Acting Director, said: "We are excited about the prospect of soon enhancing NMAC's ongoing services—the excellent facilities in the new Lister Hill Center building and the proximity to other components of the Library should both afford great opportunities to strengthen existing programs and intensify research into advanced technology. Although some unavoidable disruption will be occasioned by the move, we will be making every effort to resume normal operation as quickly as possible. To fill vacancies created by the move, we are actively recruiting, within and outside Government, for educational and media professionals in the health sciences."

For more information on the National Medical Audiovisual Center, write the Center at its new address: NMAC, National Library of Medicine, Bethesda, MD 20209.

The NLM staff in Bethesda extend a warm welcome to the following NMAC personnel:

Office of the Director: **Charles Herbert** (Assistant Director for Program and Planning Coordination); **Robert Sumpter** (Program Analyst); and **Linda Massey** (Personnel Management Specialist)

Materials Development Branch: **Susan Sparks**, Ph.D. (Education Specialist); **Edward Burris, Leon Chisolm, Stanley Cutting, Walter Dougherty,** and **Robert Otwell** (AV Production Specialists)

Materials Utilization Branch: **John Horne** (Archival Specialist); and **Thernover Drake** (Videocassette Duplicator)

Education, Training, and Consultation Branch: **Dean Darby** (Chief); **J. Patrick Denman** (AV Systems Analyst); **Craig Locatis**, Ph.D. (Training Specialist); and **Michael Weisberg**, Ph.D. (Senior Scientist)

Educational Research and Evaluation Branch: **Andrea Lawrence, Virginia Sturwold,** Ed.D., and **Eldon Ullmer**, Ph.D. (Research Education Specialists)

Reminder: NMAC has resumed the 16mm motion picture portion of its distribution program (*News*, February 1980). This free advanced booking service is available only for the 16mm films listed in the 1977 *NMAC Catalog*. During this transitional period, loan requests will continue to be filled from the NMAC Loan Collection in Atlanta. Requests should be sent to the National Medical Audiovisual Center, 5797 New Peachtree Road, Atlanta, GA 30340.

Recent Public Law 480-Funded Publications

The Library's Special Foreign Currency Program, authorized under Public Law 480, provides limited financial support for the preparation of analytic critical reviews and biomedical monographs, secondary tools, scholarly research projects in the history of medicine, and support for the English-language translation and publication of selected foreign monographs in the health sciences. Administered by NLM's Extramural Programs, the P.L. 480 program sponsors projects in India, Egypt, Poland, Israel, Tunisia, and Pakistan.

Recent studies published under this program are listed below. *Note:* these are not distributed by NLM, but are available only from the publishers.

- Becker, Yechiel. "The Chlamydia: Molecular Biology of Procaryotic Obligate Parasites of Eucaryocytes," *Microbiological Reviews*, June 1978, p. 274-306.
- Chazov, Evgenii I. (ed.). *Myocardial Infarction: The Approach to Prevention, Diagnosis, and Treatment in the Soviet Union*. English Language Edition edited by James E. Muller. Littleton, Massachusetts: PSG Publishing Company, Inc., 1979, 314 pp.

Myocardial Infarction was translated in Pakistan and published in Yugoslavia with NLM special foreign currencies. It is distributed in the United States by the PSG Publishing Company. It is the result of cooperative efforts between the U.S. and the U.S.S.R. health institutions, including the NLM, the National Heart, Lung, and Blood Institute, and its counterpart, the *Myocardial Infarction* was translated in Pakistan and ical Sciences, U.S.S.R.

- Hershko, Chaim and Izak, Gabriel, "Pathophysiology of Blood Disorders; Red Cell Disorders I," *Israel Journal of Medical Sciences*, Vol. 14, No. 11, November 1978, pp. 1101-1201.
- Johnston, Donald E. (comp.) *Acarologists of the World. A Directory*. Columbus, Ohio: The Ohio State University, 1979, 153 pp.
- Kethley, John (ed.). *An Index to the Acarina Collections of the World (To the Family Level)*. Cairo, Egypt: U.S. Naval Medical Research Unit Number Three, January 1979. 87 pp.
- Kim, Charles W. and Pawlowski, Zbigniew S. (eds.). *Trichinellosis: Proceedings of the Fourth International Conference on Trichinellosis; August 26-28, 1976, Poznan, Poland*. Hanover, New Hampshire: University Press of New England, 1978, 571 pp.

This volume brings together three invited lectures and 47 of the research papers contributed by the participants in the Fourth International Conference on Trichinellosis, held in Poznan, Poland. Attendees represented twenty- one countries. The *Proceedings*, published under the NLM P.L. 480 program in Poland, is expected to be a valuable resource to all scientists engaged in trichinellosis research.

- Korzybski, Tadeusz, Kowszyk-Gindifer, Zuzanna, and Kurylowicz, Wlodzimierz. *Antibiotics: Origin, Nature, and Properties*. Vols. I, II, III. Washington, D.C.: American Society for Microbiology, 1978, 2270 pp.

Prepared by three distinguished Polish scientists, and printed in Poland, this three-volume work contains data from the scientific and patent literature on 1,300 groups of antibiotics and 3,000 antibiotic compounds. It is expected to be widely used by research scientists in the antibiotics field. Information in the book includes data derived from work being done in the Peoples Republic of China.

- Maretic, Zvonimir and Lebez, Drago. *Araneism*. Pula, Yugoslavia: Nolit Publishing House, 1979, 255 pp.
- Nechaeva, I.D. *Therapy of Ovarian Tumors*. Translated from Russian. Edited by Myroslaw M. Hreshchyshyn, M.D. New Delhi, India: Amerind Publishing Company, 1979. 186 pp. (Distributed by the National Technical Information Service.)

Nechaeva's book deals with problems of diagnosis and treatment of ovarian tumors, drawing on the rich clinical experience of the author who is Head of the Department of Ovarian Tumors at the Leningrad Institute of Oncology. This monograph provides a view of Soviet medicine not readily available to the Western reader.

- Peterson, B.D. (ed.). *Cancer of the Lung*, Translated from Russian. Littleton, Massachusetts: PSG Publishing Company, Inc., 1979, 295 pp.

Translated in Pakistan and published in Yugoslavia, this study includes a summary of research conducted in the Soviet Union on lung cancer and presents interesting differences between Russian and American concepts of this malignancy, especially in regard to its etiology. While American researchers consider cigarette smoking as the most significant cause of cancer, the Soviet investigators place heavy emphasis on atmospheric pollution from combustion products of petroleum. Clinically, the Russians depend to a large degree on pulmonary angiography as a diagnostic method, which is usually not a routine procedure in the United States.

- Polliack, Aaron, (ed.). "Application of New Ultrastructural Techniques in Medicine and Pathology," *Israel Journal of Medical Sciences, Vol. 15, No. 8, August 1979, pp. 627-723.*

Personnel Notes

Staff Gains

- Cynthia Bolton, Clerk-typist, Reference Services Division
- Daniel Eberly, Contract Specialist, Office of Administration
- Luke Glover, Clerk-typist, MEDLARS Management Section
- Sang Y. Mah, Librarian, Cataloging Section
- Donald Ouellette, Personnel Clerk, Office of Administration
- Martin Rubinstein, Secretary (Typing), Index Section
- Louise Yegher, Clerk-typist, Office of Administration

Staff Losses

- Leona Barbaro, Budget Analyst, Office of Administration
- John Connors, Computer Specialist, Lister Hill Center
- Jerry Cooper, Supervisory Computer Specialist, Office of Computer and Communications Systems
- Jean Crosier, Librarian, Reference Services Division
- Randy Higgins, Personnel Managment Specialist, Office of Administration
- Janet Noyes, Library Technician, Reference Services Division
- Lois Riley, Technical Information Specialist, Index Section
- Theodore Webster, Technical Information Specialist, Index Section
- Faye Williamson, Librarian, Cataloging Section

NLM Regent Honored

Cecil G. Sheps, M.D., a member of NLM's Board of Regents since 1978, has been named Taylor Grandy Distinguished Professor in the School of Medicine of the University of North Carolina at Chapel Hill. The Taylor Grandy Distinguished Professorship was established by the late Taylor Grandy, who prescribed in his will that the professorship go to a "good man in the art and philosophy of living." Dr. Sheps, the first director of the UNC-CH Health Services Research Center and former vice chancellor for health sciences, has been professor of social medicine in the School of Medicine since 1969.

Serial Gap List

NLM is soliciting the help of the medical library community in filling gaps in our serial collections. If you can provide any of these items we would be most grateful. Please address them to:

National Library of Medicine
TSD-GAPS
Bethesda, Maryland 20209

Communicating Nursing Research 4: July 1971; 8: 1975

Critical Care Update 4: 4-12, 1977; 5: 1-12, 1978; 6: 2, 3, 1979

Drug and Chemical Toxicology 1: 4, 1977; 2: 4, 1979

Hospital Supervisors Bulletin Nos. 81-100; Nos. 362, 365, 1979

International Journal of Parapsychology 3: Spring 1961; 5: 1-4, 1963; 7: 4, 1965; 8: 2, 1966

Journal of Continuing Education in Cardiology 13: 1-12, 1978

Journal of the Louisiana Dental Association 22: 4, 1965; 23: 1, 1965; 13: Autumn, 1977

Muscle and Nerve 1: 5, 6, 1978

Newsletter—Academy of Rehabilitative Audiology 2: 3, 4, 1969; 3: 1, 1970

Prairie Rose 34: 1965; 45: Oct.-Dec. 1976; 46: 7, 1977

Reumatismo e Terapia Termale 2: 1963; 3: 1965

Seminars in Oncology 2: 2, 1975

Social Science Research 3: 1, 1974; 7: 4, 1978

Trade Substances in Environmental Health 7: 1974; 11: 1977

Virginia Nurse Quarterly 39: Summer 1971; 40: Winter 1972; 41: Winter 1973; 43: Summer, 3, 1975; 44: 1,3,4, 1976; 45: 2,3, 1976